

**Practice: 340 - Cover Crop****Scenario: #1 - Cover Crop-herbicide or mechanical termination****Scenario Description:**

This scenario is an irrigated, drill seeded, mixed cover, planted to address one or more of the following purposes: reduce erosion from wind and water, improve soil organic matter content, capture and recycle or redistribute nutrients in the soil profile, promote biological nitrogen fixation and reduce energy use, increase biodiversity, suppress weeds, manage soil moisture, or minimize and reduce soil compaction. The cover is terminated by a herbicide application or mechanical operation.

**Before Situation:**

Little or no crop residue remains on the soil surface until establishment of the next crop.

**After Situation:**

The soil surface is covered until establishment of the next crop. The cover crop and herbicide application or mechanical operation is compatible with other components of the cropping system. Noxious or invasive weeds are not established with the cover crop, and cover crop residue is not burned.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 100

**Scenario Cost:** \$9,409.00

**Scenario Cost/Unit:** \$94.09

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$21.70	100	\$2,170.00
Chemical, ground application	948	Chemical application performed by ground equipment. Includes equipment, power unit and labor costs.	Acre	\$6.23	100	\$623.00
<b>Materials</b>						
Two Species Mix, Cool Season Annual (1 grass and 1 legume)	2314	Cool season annual grass and legume mix. Includes material and shipping only.	Acre	\$50.33	100	\$5,033.00
Herbicide, Glyphosate	334	A broad-spectrum, non-selective systemic herbicide. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only.	Acre	\$15.83	100	\$1,583.00

**Practice: 340 - Cover Crop****Scenario: #2 - Cover Crop-winter kill termination****Scenario Description:**

This is a dryland seeding to establish a cover that address one or more of the following purposes: reduce erosion from wind and water, improve soil organic matter content, capture and recycle or redistribute nutrients in the soil profile, suppress weeds, or manage soil moisture. The cover is terminated by winter kill or mechanical operation and provides a suitable cover for establishment of planned crop or perennial grasses.

**Before Situation:**

Little or no crop residue remains on the soil surface until establishment of the next crop.

**After Situation:**

The soil surface is covered until establishment of the next crop. The cover crop is compatible with other components of the cropping system. Noxious or invasive weeds are not established with the cover crop, and cover crop residue is not burned.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 100

**Scenario Cost:** \$5,825.00

**Scenario Cost/Unit:** \$58.25

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$21.70	100	\$2,170.00
<b>Materials</b>						
One Species, Cool Season, Annual Grass or Legume	2311	Cool season annual grass or legume. Includes material and shipping only.	Acre	\$36.55	100	\$3,655.00

**Practice: 340 - Cover Crop****Scenario: #3 - Organic Cover Crop****Scenario Description:**

This scenario is an irrigated, drill seeded, mixed cover, planted to address one or more of the following purposes: reduce erosion from wind and water, improve soil organic matter content, capture and recycle or redistribute nutrients in the soil profile, promote biological nitrogen fixation and reduce energy use, increase biodiversity, suppress weeds, manage soil moisture, or minimize and reduce soil compaction. The seed is certified organic and the cover is terminated by a mechanical operation.

**Before Situation:**

Little or no crop residue remains on the soil surface until establishment of the next crop.

**After Situation:**

The soil surface is covered until establishment of the next crop. The cover crop and mechanical operation is compatible with other components of the cropping system. Noxious or invasive weeds are not established with the cover crop, and cover crop residue is not burned.

**Scenario Feature Measure:** Area planted

**Scenario Unit:** Acre

**Scenario Typical Size:** 100

**Scenario Cost:** \$11,997.00

**Scenario Cost/Unit:** \$119.97

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$21.70	100	\$2,170.00
Mechanical weed control, Vegetation termination	957	Mechanical operations, Includes: Roller/crimper, mower, shredder, etc. Includes equipment, power unit and labor costs.	Acre	\$20.87	100	\$2,087.00
<b>Materials</b>						
Certified Organic, Three plus Species Mix, Cool Season, Annual Grasses and Legumes	2343	Certified organic cool season annual grass and legume mix. Includes material and shipping only.	Acre	\$77.40	100	\$7,740.00